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# Novelties and Specialties



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## W.A. MANDA, INC.

SOUTH ORANGE N.J.

ALSO PLAINFIELD N.J.



EUROPEAN BRANCH - ST. ALBANS, HERTS, ENGLAND

# Terms Upon Which We Do Business

**A**LL correspondence pertaining to the business should be addressed to the firm and not to any of the employees.

**All accounts are rendered monthly.** Our patrons are requested to remit by checks, express or post office money-orders, or currency in registered letters. We will not be responsible for money sent in unregistered letters. From unknown correspondents either a remittance or reference is required with each order.

**We send goods C. O. D.** when the order is accompanied by a remittance of at least 25 per cent. of its total value. This guarantees acceptance of goods upon arrival at destination.

**We do not guarantee** delivery or safe carriage of goods. After the goods are delivered to the Transportation Company in good condition and receipted for by them, our responsibility ceases, as they are beyond our control, and become the property of the purchaser.

**Packing.** All packing is charged for at cost.

**Complaints.** Any complaints arising should be made within 3 days after receipt of the goods, otherwise they cannot be considered.

**Early orders.** Orders are solicited at as early a date as possible, that we may have ample time for their execution. Please write plainly name, post office, express office and any other necessary information as to the best method of forwarding; express is recommended.

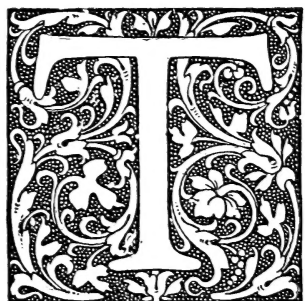
**Non-Warranty.** Most of the failures with seeds, plants and bulbs are due to causes entirely beyond our control, such as unfavorable weather and soil conditions, too deep or too shallow planting, etc., which render it impossible for us to guarantee success. Although we take all possible care to supply only such stock as will, under proper conditions, produce satisfactory results, we still give no warranty as to description, quality or productiveness of any of the seeds, plants or bulbs we send out, and will not be in any way responsible for the crop or results, also if stock is exhausted when orders are filled, and every order will only be accepted on these conditions.

**Orders** placed and accepted cannot be cancelled except with our consent.

## Visit Our Nurseries

The nurseries are situated on the D., L. & W. R. R., adjoining the depot of South Orange. There are 83 trains daily, so visitors will only have a few minutes to wait, trains being so frequent. There are also electric cars from Newark to South Orange Depot, connecting with the Pennsylvania R. R. and Jersey Central R. R. every ten minutes. Also from Orange to South Orange, connecting with the Erie R. R. Taking it all in all, it is the most accessible nursery in the country.

# Novelties and Specialties



**T**HIS year we are fortunate to be able to offer the following list of the grandest novelties that we have had the good fortune to introduce, and all of these different plants have been thoroughly tested and are superior to the existing kinds, so that no one should hesitate to procure some of these newcomers which have made friends with everyone that has had the opportunity to see them.

We would ask the intending purchaser to place their orders as early as possible, as from present indications the stock, which is in most cases only a limited one, will be exhausted before the season is over, and in that way you would have to be disappointed for another season by not receiving these beautiful horticultural additions.

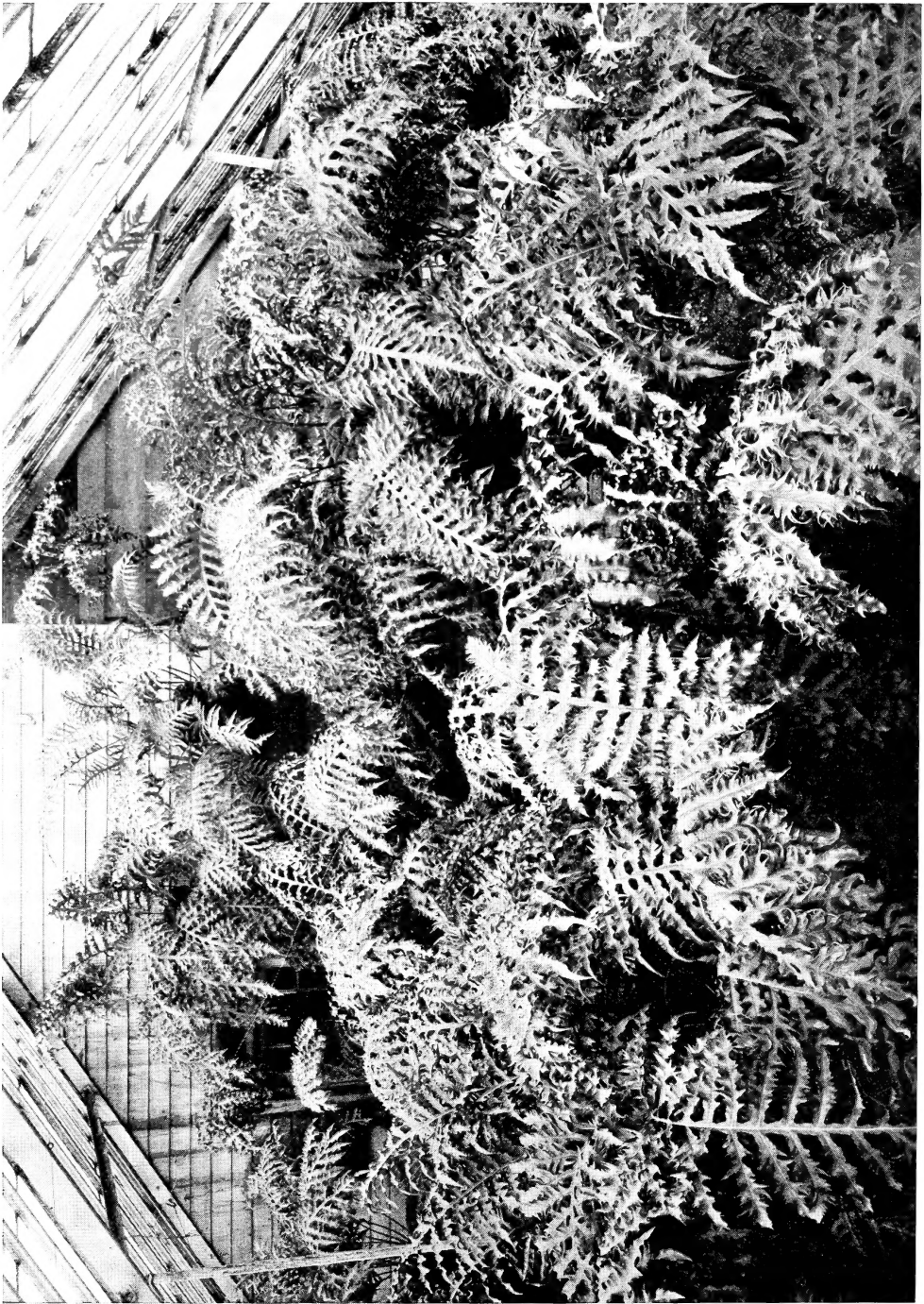
All the plants, bulbs and seeds will be sent in strict rotation as orders are received, and in that way the early orders will secure the choicest stock.

Besides this list, we have on trial numerous other varieties which we are testing for future delivery, and would be pleased to show these to any one interested in new plants and who would visit our nurseries, where they will find the choicest collection of plants in this country.

Thanking you for past patronage, and awaiting your and your friends' orders,

Respectfully yours,

W. A. MANDA, INC.



House of Polypodium Mandaianum

## Polypodium Mandaianum (Manda)

Among the multitude of plants which I have introduced during my career, there is none that has impressed me as much as the Polypodium which we are offering now for delivery in August and September of 1913.

It is a plant that has grown in favor from year to year, and in its years of propagation developing new beauty and an additional quality as plant or cut green for decoration.

Great admiration of the plant is shown by every one who has had the fortune to see this wonderful plant growing or exhibited. It has carried everything before it, and stands to-day as the First Novelty not only in America, but with the whole horticultural world.

The plant is very free-growing and makes beautiful specimens in all sizes, as the photograph shows the plant in 3-inch pots, 5 and 8-inch pans, and large specimens in 20-inch tubs.

It is also a basket plant. A plant fastened on a piece of bark or cork will surpass in beauty and elegance any stag-horn fern.

Planted on any old stump or tree fern trunk, it will soon make a head that will rival any tree fern in cultivation, and equally useful when planted on the wall of the greenhouse, where it will attach itself and make a dense covering of choice beautiful glaucous foliage.

Not only as a plant, but also in a cut state, it is most valuable for fine decoration, being, perhaps, the most lasting green in existence, for I had fronds keep fresh eight weeks in water, which is remarkable, and I, therefore, cannot too strongly recommend this plant for any purpose desired.

Different from anything in cultivation, and strongly reminds one of the classic Acanthus of the Greeks. These beautiful fronds in the hands of a floral artist will fill a long-felt want.

**Delivery, August and September, 1913.**

	Price
Good plant, 4-inch pot or pan, each .....	\$1.50
Strong plant, 5-inch pot or pan, each .....	2.50
Strong plant, 6-inch pot or pan, each .....	3.50
Extra strong plant, 8-inch pot or pan, each .....	5.00
Extra large specimen, each .....	\$10.00 to 50.00
Also plants on blocks or baskets or on tree fern stems, prices and sizes on application.	
Small plants in 3-inch pots at \$1.00 each. All sold.	

(FROM "GARDENING ILLUSTRATED," LONDON, JULY 27, 1912)

### A Fine Greenhouse Fern (Polypodium Mandaianum)

"This fern, which was given a first-class certificate at Holland Park Show, comes to us from America. Specimens of it were shown by Mr. W. A. Manda, South Orange, N. J., at the International at Chelsea, but I believe it was not placed before the committee on that occasion. It, however, at that time attracted a good deal of attention as a very beautiful fern, which, from its bold habit, high ornamental qualities, and the lasting nature of its stout, leathery fronds, was likely to prove of considerable value for decoration. A garden form, Polypodium Mandaianum, suggests to a certain extent both *P. aureum* and the nearly allied *P. glaucum*, though it is widely removed from either, and of much more vigorous growth. The fronds, which are of a pleasing shade of light green when young, become of a marked glaucous tint as they mature. They are in vigorous examples as much as six feet in length and of corresponding width. The pinnae are cut and slashed in a very marked manner, the divisions being in some cases extended into tail-like appendages. They are also more or less undulated. The creeping rhizomes, as in *P. aureum*, also form a striking feature, being densely clothed with light-colored hairs. It has up to the present proved to be quite barren, but it is readily increased by division. The vigorous nature of this fern is well shown by the fact that it will grow with equal freedom either in pots or on pieces of dead tree-fern stem. This fern will succeed perfectly in the temperature of a greenhouse. The same exhibitor also showed several forms of *Nephrolepis exaltata* that have originated in the United States, and some of which have become exceedingly popular here. Those of a marked plumose character, such as are so much grown in this country, were not so freely represented as others in which the fronds are less divided. Many of these American varieties are of compact habit, and this, with their profusion of fronds combined with their firm texture, should be in their favor."



Plant in 5-inch Pan; Polypodium Mandaianum, 3-inch Pot.  
(See Page 3)

**AS EXHIBITED BY A. W. MANDA AT NATIONAL FLOWER SHOW, CHICAGO,**

The sensational plant of the First National Flower Show, where it captured the first prize, a **Silver Medal**, as the **Best New Fern** not in commerce, and also the **Grand Gold Medal** for the **best plant** not yet an article of commerce, with the group as per above illustrations. Mr. John Thorpe, the veteran plantsman, states in the Christmas number of "Florists' Exchange" as follows: "I will say that the most valuable plant, the most progressive plant, the plant which has gained the gold medal, is *Polypodium Mandaianum*, and I have no hesitation in saying there will be as many forms of it as in the case of *Nephrolepis exaltata*. Fortunately all the *Polypodium* family are good keepers under adverse circumstances. They will live where palms will not. For temporary decorations with cut flowers the polypodium will last as long as any of the asparagus. None of the polypodium are an exception to this rule. From a decorative standpoint the configuration of the plant, its adaptability, it is equal to any plant ever introduced."

**FROM "THE JOURNAL OF HORTICULTURE AND HOME FARMER,"  
LONDON, ENGLAND, MAY 30, 1912.**

"The exhibit of foliage plants by W. A. Manda, the American exhibitor from South Orange, U. S. A., deserves mention, particularly for his fern *Polypodium Mandaianum*, with fronds 5 feet long and 20 inches broad, the pinnae finely cut. This was shown upon wood rafts, and also towering above the stem of a tree fern. The fronds, when cut, remain fresh for several weeks. He also had Orchids, Crotons, etc., winning prizes for six stove and greenhouse subjects (first), twelve stove and greenhouse subjects (third), one specimen stove plant (third), one Croton (first), twelve *Dracaenas* (first), twelve bunches of *Anthurium* spathes (first), two Cycads (first), six palms, distinct, and two *Kentias* (first in each case); also winner for six specimen Orchids and one specimen Orchid. A very excellent record."

**FIRST-CLASS CERTIFICATE TO POLYPODIUM MANDAIANUM.  
FROM "THE FLORISTS' EXCHANGE," July 6, 1912.**

"On July 2, a cable received from W. A. Manda's representative in England, Mr. F. Mouncey, which stated that *Polypodium Mandaianum* had been awarded a first-class certificate at the Holland show; this is the highest award which can be given to any novelty and, therefore, an additional triumph for both the plant and the United States."



**Polypodium Mandaianum, in 8-inch Pan; Plant 4 Feet Wide  
(See Page 3)**



Adiantum, Glory of Moordrecht

## **Nephrolepis Tuberosa Plumosa (Manda)**

This beautiful fern is quite distinct from all of the other varieties of the Boston Fern in so much that it has been raised from the Japan species *N. Tuberosa*, which type is much hardier than the *Exaltata*.

The fronds are long and narrow; the pinnules beautiful plumose which are of light color, giving the fronds a beautiful effect on account of the two distinct shades as well as its graceful waviness, and will be found a great and distinct addition to collection ferns.

Fine plants, in 3-inch pots, 50c. each; \$5.00 per dozen.

Specimens, \$1.00 to \$3.00 each.

## **Nephrolepis "M. P. Mills" (Harris)**

This is one of the gems of this large family of ferns. In aspect like a miniature *Whittmanii*, but of wiry growth that does not break and one of the most durable of the plumose type.

Award of Merit from the Horticultural Society of London.

2½-inch pots, 25c. each; \$2.50 per dozen.

4 and 5-inch pots, \$1.00 each.

## **Adiantum, Glory of Moordrecht**

One of the surprises that has come to us from Holland. A plant growing as freely as *Adiantum cuneatum* in a cool temperature, but hardly distinguishable from the celebrated *Adiantum Farleyense*, which variety it will replace for general culture. We have a grand stock of these and can offer fine plants.

35c. each; \$3.50 per dozen; \$25.00 per 100.

## **Cyrtomium Rochfordii**

A crested Holly Fern having large broad pinnae which is much finer divided and more ornamental. This plant needs only a cool temperature. Fine plants.

25c. each; \$3.00 per dozen; \$15.00 per 100.

## **Polystichum Varium**

Introduced by me from South Africa. One of the hardiest and most useful ferns in cultivation, growing to medium size with rather broad pinnate fronds which are of a beautiful red color when the fronds are young.

Strong plants, 50c. each; \$5.00 per dozen.

Larger specimens, \$1.00 to \$3.00 each.

## **Pteris Parkeri**

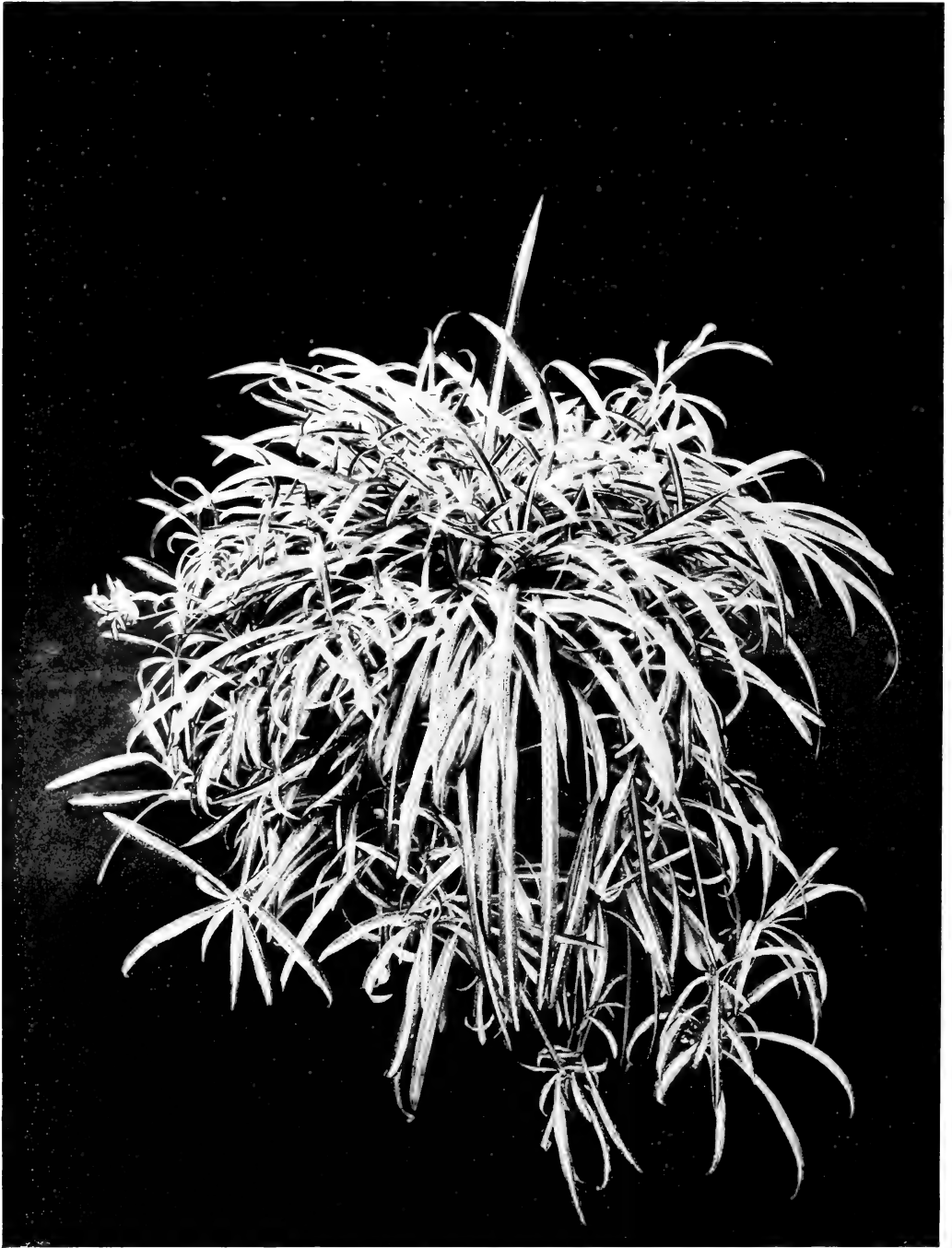
Resembles *Pteris major* somewhat in form, but the fronds are slightly serrated. They are, however, much larger, more massive in appearance and of a very leathery texture.

Strong plants, 75c. each; \$7.50 per dozen.

## **Anthericum Mandaianum (Manda)**

This beautiful plant is one of the most useful in cultivation, forming a dense compact plant with leaves from 4 to 6 inches in length of a beautiful dark green color, with a bright yellow middle like a miniature *Pandanus Veitchii*.

The plant throws out long flowering stems at the axis, at the end of which new plants form which root rapidly in the air, making it well-adapted for a hanging-basket plant or edging where vines are desired. Plants in 2 and 3-inch pots can be used for the center of fern dishes or similar work. It is very durable, does only require a cool greenhouse to grow same, and it is a very useful plant for the house and can be used in window-boxes on the piazza or out of doors.



Anthericum Mandaianum (Manda)

	Price
Fine plants, 2-inch pots, each .....	\$ .25
Fine plants, 3-inch pots, each .....	.50
Fine plants, 4 and 5-inch pots with streamers, each.	1.00

Received Award of Merit in England, and also first prize amongst the twelve new rare plants of late introduction at the great International Horticultural Exhibition in London in 1912.

**ARAUCARIA SILVER STAR**—Tipped all around on every tier by pure white. The most striking novelty in decorative pot plants. Price: \$7.50 each.

**ARAUCARIA GRACILIS AUREA**—Beautiful soft yellow plant; a good companion to the above. Price: \$7.50 each.



### New Asparagus "Cut and Come Again"

**Asparagus Elongatus (Manda).** Few years ago I had distributed few plants, but now have propagated sufficient quantity for general distribution. An upright grower, sends out stems up to 8 ft. in height, terminating in a broad head of fine, dark green fluffy foliage, as seen by the photo-engraving. This is most useful for cut green foliage, especially as it can be cut with straight stems 5 to 6 ft. long. Price, 25c. each; \$2.50 per dozen.



**Begonia, Christmas Red.**

**BEGONIA, MRS. WM. S. KIMBALL (Manda)**—A grand greenhouse flowering variety of upright growth and produces beautiful shell-pink flowers from Christmas until after Easter. Nice plants. Price: 50c. each; \$5.00 per dozen.

**BEGONIA, CHRISTMAS RED (Manda)**—A seedling from Semperflorens and Mrs. Wm. S. Kimball, of close, compact habit with bright glossy foliage and a profusion of bright-red flowers, being at its best from Christmas until Easter, but flowering all the year 'round. Price: 50c. each; \$5.00 per dozen.

**BEGONIA, SILVER STAR (Manda)**—A cross between Begonia Bowringiana and Rex. A beautiful, compact growing plant with large, silvery foliage. A great addition to the Follage Begonia. Price: \$1.00 each; \$10.00 per dozen.

**BEGONIA, COMET (Manda)**—A cross between Begonia, Rex and Bowringiana, having the habit of the latter, rather tall-growing with large reddish foliage, inlaid with silver. Beautiful plants. Price: \$1.00 each; \$10.00 per dozen.

# Carnation Novelties for 1913

Price: Rooted Cuttings, \$2.50 per dozen; \$15.00 per hundred.  
2½-inch Pot Plants, \$5.00 per hundred extra.

**NORTHPORT (Cockcroft)**—This variety should be the leader in dark pink. It is wonderfully free, coming into flower very quickly in the fall. The stem is perfectly stiff and a vase of this variety on the show table is very hard to beat. Northport has won some twelve certificates this fall and in the recent show in Cleveland secured first for "25 dark pink" and first for "50 dark pink," and also won the sweepstakes in every section. We recommend this variety with every confidence.

**COMMODORE (Hill)**—The scarlet that will eventually take the place of Beacon, since it very seldom splits. This variety is a seedling from Victory, almost identical in color, but is very free and continuous in bloom and the habit is altogether better than Victory. So far it has shown no sign of rust with it and we believe Commodore will rank as one of the leading scarlets.

**ENCHANTRESS SUPREME (Dailedouze)**—A sort of Enchantress somewhat deeper in color which never fades and does not split, as the calyx is longer and narrower than that of the parent variety.

**SALMON BEAUTY (Abrams)**—Almost identical in every way with Enchantress Supreme, except possibly the color is a shade deeper. Both of these varieties will displace the parent variety to a great extent.

**WM. ECCLES (Scott)**—The color of Flamingo, strong, rigid stem, perfectly formed, 3½-inch flower, non-bursting calyx. Very fragrant and a good keeper.

**THE HERALD (Chicago Carnation Co.)**—A free and continuous bloomer, producing large, very full, 3 to 3½-inch flowers on long, strong stems, non-bursting. The color is a grand bright scarlet that does not fade. Habit is ideal, and very floriferous.

## Novelties in Chrysanthemums

### The Wells-Pockett-Totty Novelties for 1913

Each of the following nine varieties, \$2.00 each; \$20.00 per dozen.

**MISS HAZEL DE FOREST**—A buff terra-cotta on early crowns, but the late crowns show splendid flowers of wine red perfect in shape. Take bud not earlier than August 25.

**MRS. D. F. ROY**—A beautiful incurving mahogany red; foliage well up the stem and the latter is absolutely stiff. Any bud. Medium height.

**MISS CLARA BANGHART**—Most quickly described as an improved Mrs. R. Luxford. The color is warm chestnut; foliage right up to the flower and the plant is strong grower.

**MRS. G. LLOYD WIGG**—Light yellow. Foliage right up to the flower. Any bud after August 10. Height, 5 feet.

**GERTRUDE PEERS**—A duplicate in many ways of Pockett's Crimson, save that the golden reverse never shows and every bud throws a perfect flower. Crown bud August 6.

**MRS. G. W. C. DREXEL**—Incurving pink, same color as Lady Hopetoun, but the stem is very rigid and produces equally as large a flower. Crown bud August 10 and later.

**MRS. W. HOOKEY**—Lemon yellow with buff shadings. Very strong grower and easy doer. Large, handsome flowers that will be in request for the early exhibitions.

**MRS. C. J. VERT**—Chestnut scarlet; very large flower and one that will make a name for itself.

**MRS. W. E. TRICKER**—Lovely flower of the Enchantress shade of pink; petals have just enough curl to produce a beautiful effect. This variety was the most admired of the whole set by the ladies this year.



**Nephrolepis Tuberosa Plumosa (Manda)**  
(See Page 7)

## The Wells-Pocket-Totty Set for 1912

Price: 50c. per plant; \$5.00 per dozen.

**QUEEN MARY**—Fine white variety deserving another trial.

**URSULA GRISWOLD**—Color, soft creamy white with long narrow petals; a good grower and a grand exhibition variety.

**MRS. A. M. HENSHAW**—Beautiful, incurving white of the purest possible color. Early crown bud August 10.

**MRS. GEORGE W. BURKE**—Good variety of deep bronzy yellow; stem and foliage all that can be desired.

**MRS. ROBERT D. FOOTE**—Color is a magnificent mahogany crimson. Any bud after August 12. Height, 4 feet.

**ANNIE E. ANGUS**—This is an exact duplicate of the old Madame Carnot. Color, purest white. Crown bud August 10, onward.

**MRS. PETER DUFF**—The color is old rose shading to cerise; stem and foliage perfect. Height, 5 feet.

**WM. KLEINHEINZ**—Chestnut red of the very largest size; large petals. The habit all that can be desired.

**SUNSHINE**—A yellow, exactly the same shade of color as R. F. Felton. Height, 6 feet.

**MRS. GILBERT DRABBLE**—The finest novelty of the year. Purest white in color and the petals are arranged in a whorl, rendering them most attractive and entirely different from any other white.

**WILLIAM TURNER**—Makes a perfect ball of the purest possible white. Price, 20c. per plant; \$2.00 per dozen.

**RAMAPO**—American seedling of Col. Appleton which will take the place of that variety. Price, 20c. each; \$2.00 per dozen.

## Novelties in Pompons for 1913

The following list of Pompons were raised by the Mt. Greenwood Cemetery Association, and is the collection that carried off the Hitchings Cup at the New York Show in the American Institute.

Price: 30c. per plant; \$3.00 per dozen.

**INEZ**—Scarlet bronze; very brilliant.

**RITA**—Bright pink; handsome variety.

**DORIS**—Pure bronze; one of the best.

**NELL**—Chestnut scarlet.

**MARY**—Pearl white, flushed pink.

**JEN**—Dark rosy crimson.

**RUTH**—Rosy lilac; very attractive.

**BETH**—Deep rose pink.

**NAN**—Maroon with purple shadings.

**DONALD**—Light pink; very fine grower.

**BLANCHE**—Bronze red, shading to scarlet.

**MEG**—Wine red, shading to garnet.



1. Basket, *Polypodium Mandaianum*; 2. Block  
(See Page 3)

## Novelties in Single Chrysanthemums, 1913

Price: 30c. per plant; \$3.00 per dozen.

- CEDDIE WHITE**—The ground color of beautifully colored blood red.
- CHAS. KINGSLEY**—Golden yellow; perfectly shaped flower.
- CLOTH OF GOLD**—Old golden bronze; good late variety.
- C. J. ELLIS**—Terra cotta with yellow disk.
- DOROTHY DANN**—A lovely salmon bronze; medium in size.
- JACK**—Chestnut with gold tips.
- JOSEPHINE**—Yellow in color; flower is heavy in texture. Certificated by C. S. A.
- KATHLEEN STEWART**—Old gold, splashed red.
- LADY BEDFORD**—Golden apricot, shaded salmon.
- LADY FURNESS**—Reddish salmon, like Mary Richardson.
- MENSA**—Purest white. Certificated by C. S. A.
- MARJORIE LLOYD**—Deep golden apricot; flowers perfectly stiff, stem strong.
- MRS. W. A. HIGGS**—White flushed pink; very large.
- MARGARET WALKER**—Orange bronze. This variety only has a single row of petals.
- ORIOLE (Pierson)**—A decided novelty; probably the most showy single variety.
- POLLY DUNCAN**—Canary yellow; flowers very large.
- RUBY BEAUTY**—A splendid crimson; one of the best.

## Novelties in Roses for 1913

**DAZZLING RED (Manda)**—New Wichuraiana Rose. Finally I have succeeded in raising a strictly Wichuraiana Rose with flowers superior both in color, size and durability to the well-known Crimson Rambler; the foliage is bright and glossy, almost evergreen; very strong and rapid grower, while the flowers are produced in great profusion and are of large size and of a beautiful ruby red color that does not fade. Prices: 50c. each; \$5.00 per dozen. Two-year old plants, \$2.50 each; \$25.00 per dozen.

**BRIDAL WREATH (Manda)**—An addition to the beautiful climbing rose, a cross between the Wichuraiana Multiflora section with good foliage, strong growth and exceedingly floriferous, producing innumerable semi-double white flowers which almost cover the foliage. Excellent variety for any use which I can recommend. Price: 50c. each; \$5.00 per dozen. Extra large two-year-old plants, \$2.00 each; \$20.00 per dozen.

**MRS. GEORGE SHAWYER (Totty)**—A fine distinct pink rose on the type of Bridesmaid; much freer and larger in every way. Heavy grower and free flowering; of fine pink color. Price: 75c. each; \$7.50 per dozen; \$40.00 per hundred.

**MILADY (A. N. Pierson)**—A seedling from Richmond, but showing very much more substance in the flower. Has the same delightful fragrance and comes to us with the highest recommendation of the introducer, Montgomery. Price: 75c. per plant; \$7.50 per dozen; \$40.00 per hundred.

**MRS. CHAS. RUSSELL**—The pink American beauty. An enormous flower which lines up to the Beauty class in both flower, foliage and stem. As a show flower Mrs. Russell will hold its place a great many years. Price: Own Root, 75c. per plant; \$7.50 per dozen; \$40.00 per hundred. (Award of merit after 19 days' journey, cut, from America to London.)

**LADY ALICE STANLEY**—A magnificent rose for outdoor growing. Blooms are specially large and very full. Color on the outside is deep coral rose; inside, a deep flush. One of the largest and best outdoor roses ever introduced to the American public. Price: 75c. per plant; \$7.50 per dozen; \$40.00 per hundred.

March and April delivery on all above-mentioned roses.



Group of Ferns Showing Polypodium Mandaianum Grown on Stem of Tree Ferns, Blocks, Baskets, Balls, Pots and Pans at the Great Royal International Horticultural Exhibition, London, May, 1912. Silver Cup

# Novelties in Bulbs

## New Gladioli

The following list comprises the choicest of all the new Gladioli from the leading specialists and the prices are for good strong flowering-size bulbs which will give satisfaction:

**AFTERGLOW**—Beautiful salmon pink. Price: \$1.00 each; \$10.00 per dozen.

**ALICE CAREY**—A fine large flowering, almost white variety of great merit. Price: \$1.50 per dozen; \$9.00 per 100.

**AMERICA**—The most popular pink variety in cultivation. Price: \$1.00 per dozen; \$4.50 per 100; \$35.00 per 1,000.

**DAWNRAY (Dawn Tracy's)**—The most beautiful shell pink *Gladiolus* ever offered. A long, graceful spike of magnificently formed flowers, all open at one time. Price: \$2.00 per dozen; \$15.00 per 100.

**DAYBREAK**—A charming shade of aurora pink with white-blazed throat dwarf habit. Price, \$5.00 per dozen.

**IMPROVED 1900**—Dark red, pure white throat. Price: 50c. each; \$5.00 per dozen.

**INDEPENDENCE**—A brilliant rose pink with richly marked throat. Price: 75c. per dozen; \$4.00 per 100.

**MAIZE**—A soft, light corn color, tinted rose, with slender tongue of fuchsia red on lower petals. Price: \$3.75 per dozen; \$28.00 per 100.

**MRS. FRANCIS KING (The Original)**—A most beautiful "Besnard Shade," flame pink. Immense flowers on a spike growing four feet high. Price: 75c. per dozen; \$4.00 per 100.

**MRS. JAMES H. LANCASHIRE**—The coloring in this popular *Gladiolus* is a deep cream, fading to a rose-tinted flesh color, with contrasting stripe of carmine on lower petals. Price: \$3.75 per dozen; \$30.00 per 100.

**NEW AMERICA**—Large flower, lavender and rose. Price: \$1.00 per dozen; \$8.00 per 100.

**NIAGARA**—A light crocus yellow, throat shaded deeper. Large open flowers on a strong spike. Price: \$3.75 per dozen; \$30.00 per 100.

**PEACE**—Beautiful white, slightly shaded pink. \$4.00 per dozen; \$30.00 per 100.

**PINK AUGUSTA**—Fine early bloomer, especially good for forcing. Price: \$1.00 per dozen; \$6.00 per 100.

**PRINCEPINE**—Flowers large, of the most brilliant scarlet. Price: 50c. each; \$5.00 per dozen; \$35.00 per 100.

**ROCHESTER WHITE**—The grandest, pure white in cultivation. Price: \$1.00 each; \$10.00 per dozen.

**ROSY SPRAY**—White shaded rose. Price: \$1.00 per dozen; \$8.00 per 100.

**ROYALE**—Dark, velvety petunia shade with deeper throat. Price: \$4.00 per dozen.

**SULPHUR KING**—Fine, pure, light yellow. Price: \$2.00 per dozen; \$16.00 per 100.



Exhibit of 12 Ferns at the Great Royal International Horticultural Exhibition in London, May, 1912. Showing Specimen Polypodium Mandaianum 11 Feet Across and Awarded Silver Cup

**SUNRISE**—Long spikes of dainty flowers, clear color with no marking. Price \$2.00 per dozen; \$15.00 per 100.

**VIVID**—Rich purple. Price: \$4.00 per dozen; \$30.00 per 100.

**WAR**—Brightest red. Price: \$1.50 each; \$15.00 per dozen.

**WILLY WIGMAN**—Large-flowered bloom of a beautiful blush tint, with long, bright tulip blotch on lower petals. Price: \$3.75 per dozen; \$30.00 per 100.

**WILD ROSE**—A remarkably fine, delicate pink, with wild rose tints. Price: \$2.00 per dozen; \$15.00 per 100.

The following set of six new Gladioli we will be pleased to supply at 50c. each; \$3.00 per dozen; \$35.00 per 100.

**CHARMER**—Large, broad-petaled flowers of soft mauve-pink.

**DAZZLER**—Vivid salmon-scarlet marked in throat with orange.

**ENCHANTRESS**—Blush-white lightly flaked with lake-pink.

**FASCINATOR**—Magnificent salmon-pink flamed with carmine.

**GORGEOUS**—Vivid scarlet with large, white throat.

**VIOLA**—Deep violet-blue with a white throat.

## New Lilies

**LILIUM HENRYII**—A grand hardy lily which can be best described as Yellow Speciosus. Price: 75c. each; \$7.50 per dozen.

**LILIUM MYRIOPHYLLUM**—Equally as fine as Sargentiae with large white flowers suffused with pink and canary yellow. Very fragrant. Awarded Silver Medal. Price: \$1.50 each; \$15.00 per dozen.

**LILIUM SARGENTIAE**—A grand new Chinese Lily with large greenish white flowers shaded purple on the outside. Fragrant. Awarded Silver Medal. Price: \$1.50 each; \$15.00 per dozen.

**LILIUM TENUIFOLIUM, GOLDEN GLEAM**—This is a golden yellow variety of the Lilium Tenuifolium which good quality it possesses. Nine bulbs. Price: 75c. each; \$7.50 per dozen.

**NEW FREESIA PURITY**—This variety produces very large open flowers which are entirely pure white and of a good substance. Fine bulbs. Price: 50c. per dozen; \$3.00 per 100; \$25.00 per 1,000.

## New Dahlias

**DAHLIA CALIFORNIA**—A decorative and very distinct variety with the habit of Dahlia Imperialis. Large well-made flower of rose color. Very floriferous and lasting. Price: \$1.00 each; \$10.00 per dozen.

**DAHLIA J. THOMPSON**—A decorative variety of great substance. Free flowering, producing very large, bright red flowers. Price: 75c. each; \$7.50 per dozen.



One of Our Orchid Houses at South Orange, N. J.

## Specialties

The following is only a brief mention of all the leading specialties of our firm.

It would take a large book to catalogue and describe all the stock of all the different sizes which we carry, thus bewildering rather than helping the intending purchaser.

Therefore, we have simply described briefly each department with special low offers for strictly first-class stock, the selection being left to us, and if our patrons would tell us the purpose for which these plants are intended, also their preference as regards color and other particulars, we shall make such selection as we are sure will please you in every instance.

We would be pleased to send a full list of any stock that might be desired.

Regarding the quality of our stock, it will suffice to read the following pages and see the extraordinary number of prizes that we have been awarded in open competition at the three greatest International Flower Shows, competing against the world, and in each case, either home or abroad, carried the largest number of prizes, besides hundreds of other prizes received at local or less important exhibitions.

### Greenhouse Flowering Plants

This useful class comprises both dwarf and climbing kinds. Only such are grown as have been found to be the best and most popular varieties. We will be pleased to select best kinds for purposes desired.

Price: 50c. each; \$5.00 per dozen.

As you will see from the reports of the two International Exhibitions in America, and also the one in London, we have secured all the leading prizes for Greenhouse Foliage Plants.

### Orchids

These are undoubtedly the coming flowers, and every greenhouse or conservatory should have at least a few of these floral gems. They are of easy culture, and will grow in any ordinary greenhouse or conservatory, together with other common plants, such as Geraniums, Fuchsias, etc. Most of the varieties can be grown in baskets or on blocks, and suspended from the roof, thus not utilizing any bench room. Orchids, when in bloom and kept in cool places, will last from four to ten weeks in perfection, so that anyone having a small collection of Orchids will have some plants in bloom all the year round. Amateurs intending starting to grow Orchids should write for list of such varieties as are best suitable for beginners. The following are a few cultural points: Orchids require a season of growth and a season of rest, corresponding with the wet and dry seasons of their native country. When they are making new growths, they should receive a liberal supply of water until the maximum is reached, when the new bulb is nearly full size; then it should receive just enough water to keep the bulbs from shriveling; as soon as it shows the sign of bloom, water it again until it has done flowering.

We will be pleased to supply strong flowering size bulbs of our own selection as follows:

	Price
6 Orchids, in 6 varieties .....	\$5.00
12 Orchids, in 12 varieties .....	10.00
6 Cypripedium, in 6 varieties .....	4.50
12 Cypripedium, in 12 varieties .....	9.00

Please remember all our Orchids are cool-grown. We have not nor ever had the dreaded Cattleya Fly or any other injurious insect.

**Special offer of Albino forms and rare varieties of Cattleyas and other Orchids; also yellow forms of Cypripediums on application.**

**Special offer of Hybrid Cattleyas and Laelio-Cattleyas unflowered, nice thrifty plants, that will flower this year. Strong plants, 5 to 10 bulbs, from the best crosses, which will produce some extraordinary fine forms.**



The above illustration shows the transportation of orchids from their native homes. After risking their lives in collecting same, the collectors have to cut down trees, saw out boards by hand, make boxes into which the plants are packed; and then, transported on the backs of men or animals sometimes hundreds of miles before reaching the coast where they are shipped to New York, reaching South Orange, from where they are reshipped all over the country either in their dormant condition or after they have been established.

	Price
1 Hybrid, our selection .....	\$3.50
6 Hybrids, of 6 distinct crosses.....	18.00
12 Hybrids, of 12 distinct crosses.....	36.00
Hybrid Cypripediums, best crosses, each .....	3.00
Hybrid Cypripediums, 6 in 6 best crosses .....	15.00
Hybrid Cypripediums, 12 in 12 best crosses .....	30.00

Unrecorded crosses of Cattleyas, \$2.00 each; Cypripediums, \$1.00 each.

### IMPORTED ORCHIDS

We expect during the year of 1913 large importations of the following leading kinds of Orchids beside many others of which we would be pleased to give full particulars to anyone interested on application. The following prices are for first-class stock in good healthy condition.

**Cattleya Trianae, C. Mossiae, C. Percivaliana, C. Harrisoniae, C. Skinnerii, Dendrobium, Formosum Giganteum, Oncidium, Varicosum, Rogersii.**

	Each	Per Doz.
Nice plants, 5 to 7 bulbs .....	\$ .75	\$7.50
Strong plants, 8 to 11 bulbs .....	1.50	15.00
Extra fine plants, 12 to 15 bulbs .....	2.50	25.00
Selected specimens, 18 to 25 bulbs .....	3.50	35.00

Cases of any above variety special low price on application.

**Cattleya Gigas, C. Gigas Sanderiana, C. Schroederae, C. Mendellii, Laelia Purpurata, Dendrobium, Wardianum.**

	Each	Per Doz.
Nice plants, 5 to 7 bulbs .....	\$1.25	\$12.00
Strong plants, 7 to 9 bulbs .....	2.50	25.00
Extra fine plants, 9 to 12 bulbs .....	3.50	35.00
Selected specimens, 12 to 15 bulbs .....	5.00	50.00

**Cattleya Warnerii, C. Aurea, C. Dowiana, C. Chrysotoxa.**

	Each	Per Doz.
Nice plants, 5 to 6 bulbs .....	\$3.50	\$35.00
Strong plants, 7 to 9 bulbs .....	5.00	50.00
Selected specimens, 10 to 15 bulbs .....	7.50	75.00

**Cattleya Labiata, C. Speciosissima, C. Gaskelliana, Laelia Perrinii.**

	Each	Per Doz.
Nice plants, 5 to 7 bulbs .....	\$1.00	\$10.00
Strong plants, 7 to 9 bulbs .....	1.75	17.00
Extra fine plants, 9 to 12 bulbs .....	2.75	27.00
Selected specimens, 12 to 15 bulbs .....	3.75	37.00

Cases of any of the above varieties, low prices on application.  
Also large variety of East Indian Orchids.

### MATERIALS FOR ORCHID CULTURE

	Per Bbl.
Fibrous Peat, picked, ready for use .....	\$4.50
Fibrous Peat, as collected .....	2.75
Sphagnum Moss, picked .....	4.50
Sphagnum, as collected .....	2.75

### MANDA'S NEW ROUND ORCHID BASKET

Introduced by me and awarded 100 points for same at an exhibition, and now copied by many. (The sincerest form of flattery.) These baskets are best for Orchid culture. Made of round-turned sticks of best oak and fastened by copper wire.

	Per Doz.		Per Doz.		Per Doz.
4-inch .....	\$2.00	6-inch .....	\$3.00	10-inch .....	\$5.50
5-inch .....	\$2.50	7-inch .....	\$3.75	12-inch .....	\$6.00
		8-inch .....	\$4.25		

At the First National Flower Show, Chicago, November, 1908, we took eleven premiums for Orchid plants and Orchid flowers. The largest of any Orchid exhibitor.

At the second National Flower Show in Boston, we took seventeen prizes on Orchids, and at the Grand National Exhibition in London, in 1912, we took seven prizes right in the stronghold of the Orchid.



**Gardenia (Manda).**

(Wichuralana x Perle des Jardins.)

Strong grower, with large green foliage. Flowers produced singly on stems  $\frac{1}{2}$  to 1 foot long. When in bud, hardly distinguishable from Perle, bright yellow, and when open cream color, 3 to  $3\frac{1}{2}$  inches in diameter, incurving toward evening to perfect imitation of Gardenia as to shape and color, hence its name. Flowers are delightfully fragrant and produce freely. A grand rose for any purpose.

## Roses

For novelties, see the Novelty Section of this catalogue, all of which we can strongly recommend, besides the following four leading classes which should be in every garden.

**TEA, HYBRID TEA AND EVERBLOOMING ROSES**—Under this heading are gathered such roses as will give a fine show of flowers all summer, same as greenhouse roses, yet with good covering of leaves, straw or any other dry material and few green boughs, the roots are hardy, and, after a good, hard pruning in the spring, they will push their shoots and flower all summer. We have a fine stock of this class of roses in 2-year-old plants, and can furnish same at 50c. each; \$5.00 per dozen; \$35.00 per 100; or our selection, \$28.00 per 100.

**HARDY AND HYBRID PERPETUAL ROSES**—Selected from thousands of varieties as the best for the American climate, and embracing all the best-known sorts. We offer extra strong 2 and 3-year old plants that give the best satisfaction, and should not be compared with cheap second-class stock. Fine dormant stock, 50c. each; \$5.00 per dozen; \$35.00 per 100; our selection, \$28.00 per 100.

**CLIMBING, TRAILING AND VARIOUS ROSES**—This class of roses can be used for covering walls, trellises, trees, stumps, rocks, steep banks and other purposes in landscape work, adding beauty and grace, especially the Wichuraiana section, which is here enumerated, but more fully described on next pages, also illustrated. Besides the stock quoted, we have large pot-grown specimens for immediate effect. Good 2-year-old plants, 50c. each; \$5.00 per dozen; \$35.00 per 100; or our selection, \$28.00 per 100.

**NEW HYBRID WICHURAIANA ROSES (Memorial Rose)**—The most remarkable improvement in creating a new and distinct type of Hardy Roses that has been made for a generation. The growth is remarkable for its freedom, a single plant four years old, covering a space of 240 square feet, with long shoots, 12 to 25 feet in length, completely covering the ground with its bright, glossy foliage and showy, fragrant flowers. The foliage of all is leathery in texture, shining and not only proof against insects, but evergreen; in some varieties, that is, keeping the foliage all winter—a characteristic in roses never before obtained. The flowers are produced most profusely, of large size, very fragrant, and can be easily used for cut-flower purposes. The use of these roses will be unlimited—for trailing or covering ground where nothing else would grow, to cover roots, stumps and stems of trees, walls and trellises, for cut-flower purposes. All varieties exceed any other rose in hardiness, evergreen foliage, beauty and fragrance of their flowers. Strong 1-year-old plants, 25c. each; \$2.50 per dozen; \$15.00 per 100. Large 2-year-old plants, 45c. each; \$4.50 per dozen; \$35.00 per 100.

## Chrysanthemums

Under this heading you will find a list of carefully selected varieties for exhibition or cut-flower purposes. Most of them winners of prizes at the late shows. We have many other meritorious varieties too numerous to describe, and can supply you with any sorts in cultivation should you desire same. For description and prices of new varieties, see Novelty Catalogue. Price of leading varieties, 15c. each; \$1.50 per dozen; \$9.00 per 100.

**POMPON CHRYSANTHEMUMS**—These old-fashioned plants are again the favorites of the day on account of their great beauty in the late autumn, being the last flowers to brighten the garden long after the first frost has cut down all summer vegetation. For landscape effect they are very important, as the color of the flowers blends so well with the autumn tints of trees and shrubs. If wanted for house decoration, lift the plants early in September and pot same. After they are established they can be brought in the house. Price, 15c. each; \$1.50 per dozen; \$8.00 per 100.

Of any variety or color that might be desired, for new varieties, see front part of the catalogue.

## Carnations

Of this most popular flower of the day, we grow only the very best favorites that combine good size of flower, fragrance, keeping qualities and productiveness. Even these vary considerably on account of soil and treatment they receive. We can supply any other variety not listed at market prices. For new Carnations, see our Novelty List, giving description and price.

We will be pleased to supply all the leading varieties at \$1.00 per dozen; \$5.00 per 100. Strong rapid growers.

Last year's novelties, \$1.50 per dozen; \$8.00 per 100.

This year's novelties, \$3.00 per dozen; \$12.00 per 100.

If plants from 2-inch pots are desired, \$2.00 per 100 additional.

## Greenhouse Foliage Plants

This is a class of plants which is becoming more popular every day. Their fine marked foliage and graceful habit make them great favorites. There is nothing equal to a house filled with a collection of these plants.

To help to select the proper plants, we will be pleased to do so for our customers for any purpose that may be desired.

Nice strong plants, our selection, 35c. each; \$3.50 per dozen.



**Dracaena Rothiana.**

**DRACAENA ROTHIANA**—Not a new but rare plant of which great merit of extreme hardiness has only now been discovered. As the plate shows, it is of a compact growth with thick leathery foliage, green with narrow white margin. One of the best decorative plants for home, greenhouse or out-of-doors in the summer. Price, strong plants, \$1.00 each; \$10.00 per dozen. Extra large, \$2.50 each.

## Palms

In the whole vegetable kingdom there is no family of plants so graceful, attractive, and one that deserves to be so generally cultivated, as palms. Most kinds are invaluable for decorative purposes and house culture. We have omitted to price any of the varieties, as the prices are governed by the size of the plant, and vary from 50c. to \$1.00 each, according to size and kinds, of which we would be pleased to give particulars on application.

Select fine large showy plant for \$1.00; or 6 fine plants in 6 varieties for \$5.00.

We have the finest stock that swept the boards of all principal prizes: Chicago, Boston and London.

## Ferns

This class of plants so strongly in favor with the public at the present time and, therefore, we carry a very large stock of all the leading varieties of ferns, including some large specimens, and also some grand specimens of Tree Ferns, prices and sizes of which we will be pleased to give on application.

We shall be pleased to furnish the intending purchaser with a fine collection of 6 ferns in six varieties, nice plants, for \$1.25, or 12 ferns in 12 varieties for \$2.50.

Also collection of *Selaginella* and Mosses. We will be pleased to supply 6 plants in 6 varieties for 50c.

For Novelties, see front pages. Our Ferns are the Champion Winners.

## Cacti and Succulents

These quaint and curious plants, while not generally grown, have a great many admirers, and to anyone making a collection we will be pleased to furnish a full list of such kinds as we grow or can furnish.

If you wish to begin a collection, we will be pleased to furnish you with 6 plants in 6 varieties for \$2.50, or 12 plants in twelve varieties for \$4.50, our selection.

## Furnishing and Building of New Conservatories and Greenhouses

This is one of our specialties, being better equipped than any other firm in the United States for that purpose. We would, therefore, advise parties that contemplate the building of any new conservatories or greenhouses, to correspond with us, as we may be able to give them some useful advice regarding the proper construction of the buildings that would be practical for plant-growing.

When ready to furnish a conservatory or greenhouse of any kind with Palms, Fern Trees, Ferns, Foliage or Flowering Plants, Orchids, Gardenias, Roses, Carnations or Chrysanthemums, please communicate with us, and we will make you a specification and estimate and furnish plants that will give you a satisfactory result at a very moderate cost.

## Exchanges and Purchases

Notwithstanding that our collection of plants of all classes is very large, we are always ready to hear or enter into correspondence with parties for either any new or rare plants for sale or for exchange for other stock; also anyone having overgrown large species or new useful horticultural plants or having accumulated a large stock of everyday greenhouse or garden plants who wishes to dispose or exchange for some choice or rare varieties to add to their collection with whom we will trade liberally. We would also be pleased to enter into correspondence with any gentleman intending to travel in countries that have not been much explored, where there would be a chance for discovering and adding some new and rare species of plants. In each case we would thank the intending correspondent to state everything plainly and give full details and information so as to enable us to act decisively and promptly.

On receiving such information, it should be preferably addressed to the main office, South Orange, N. J., U. S. A.



One of Our Ranges of Greenhouses at South Orange, N. J.

## Fruits

We have taken great care in selecting the varieties in this list, offering only such varieties as we know to be the very best, fine in quality and prolific. All plants that will stand the extreme changes in temperature which we have in this climate.

**APPLES**—We carry in stock only such varieties as have been thoroughly tested, and which possess real merit. They do well planted on any good ground, and with little care give very satisfactory results. All the best varieties at 50c. each.

**PEARS**—Pears can be grown in almost any good soil with little care. . They generally give very satisfactory results. Any variety at 50c. each.

**CHERRIES**—The best results can be obtained by planting on moderately rich light loam or sandy soil. Any variety at 50c. each.

**PEACHES**—Plant in light, rich soil. The ground should be kept free from grass or weeds. An occasional top dressing of wood ashes or slaked lime will be advantageous. Any of the best varieties at 25c. each.

**QUINCES**—They require a deep, rich soil. Should be manured with thoroughly rotted manure. A little coarse salt or lime sprinkled around the trees is beneficial in keeping away insects. Price, 50c. each.

**PLUMS**—They do best planted in rich, heavy loam, well-drained. Care must be taken as the fruit forms to keep from the attacks of the curculio. Any commercial variety at 50c. each.

**GRAPES**—Grapes will flourish and bear abundantly in almost any good, dry soil, especially if the vines are trained on trellises. Best varieties at 25c. each.

**GREENHOUSE GRAPES**—For growing under glass in hot or cold vineries. One-year-old plants, \$2.50 each. Strong two-year-old vines fruiting canes, \$5.00 each.

**CURRENTS**—Plant in good soil and keep well-worked and manured. There are very few fruits that will so thoroughly repay as this for good and proper treatment. Best varieties, \$1.00 per dozen; \$6.00 per 100.

**GOOSEBERRIES**—They do best planted in good, rich ground, kept well-worked and free from grass and weeds. Cut out the old wood as soon as it begins to decline and shorten all the young shoots to keep the bushes in shape. Price: 25c. each; \$2.50 per dozen.

**BLACKBERRIES**—Plant in good soil in rows five feet apart, and plants three or four feet apart in the row. Soon after fruiting season or early spring, cut out all the dead wood. A good top dressing of stable manure applied annually will be conducive to large crops. Keep the ground well-worked and clean. Best kinds, 50c. per dozen; \$3.00 per 100.

**RASPBERRIES**—Plant in rows about five feet apart and three feet between the plants. They like good, rich soil, with plenty of manure worked into it annually. Immediately after the fruiting season or early in the spring, cut out the old wood which bore the last crop of fruit. Best kinds, 50c. per dozen; \$3.00 per 100.

**STRAWBERRIES**—Ready in August and September. Pot plants, \$3.50 per 100. Special prices given on large quantities.

## Seeds

This important department has our careful attention, knowing the necessity of pure, good and true seed. Instead of giving showy and highly colored packets, we will endeavor to put all that unnecessary expense into the seed, the article that the customer wishes to procure. It should never be the question with the buyer, "How cheap can I buy my seeds?" but "Where can I procure the very best of seeds?" A penny saved in the first instance may bring not only failure and disappointment, but labor wasted and a whole season lost. Yet a great deal depends on the season, soil and attention given to the crops, and, therefore, we wish to draw our customers' attention to the usual disclaimer: That while we exercise the greatest care in having all seeds pure, true and good, our seeds are sold without any warranty, expressed or implied, and without any responsibility in respect to crop. If our seeds are not accepted on these terms, they must be returned at once.

Special list of such will be mailed on application, or, to save time, will fill your order with strictly first-class seeds at the price of any reliable dealer.

**GRASS AND CLOVER SEEDS**—We have made a careful study of the best composition of grasses to make a permanent and beautiful lawn and are selling **Manda's Universal Lawn Seed Mixture** at \$4.50 per bushel. This mixture is as good as any and better than many and invariably gives good results. Current prices of any variety on application.



**Cut Fronds of Polypodium Mandaianum**

Which will last from 30 to 60 days in water. The photo-engraving on the front cover shows a stand 15 feet high made up of cut fronds which were cut at South Orange, May 5th, kept out of water till May 22nd, placed on exhibition, and for 8 days after the close were still in fresh condition.

## Press Comments

(FEW OUT OF THOUSANDS)

FROM "THE DAILY CHRONICLE," LONDON, ENGLAND, MAY 23, 1912

"One of the most striking points in the judging was the numerous successes won by Mr. W. A. Manda, of South Orange, N. J., who brought over collections of palms, as big as beautiful, and a number of other things calculated to appeal chiefly, perhaps, to men with deep pockets and women with ambitions. No more effective designs in greenery have been staged in this country than those created at Chelsea by this go-ahead American.

"The splendid exhibit of plants and blooms is most highly to be commended and don't wait until the men are dead before you tell it. W. A. Manda's exhibit especially may be mentioned as something uncommon in extent and this comes from the little State of sand, rock and mosquitoes called New Jersey, but great men are there."—"American Florist," November 19, 1908.

The exhibits of W. A. Manda were the wonder of the show. His new fern *Polypodium Mandaianum*, not yet in commerce, won the gold medal, and as a climax to all his prizes takes the diamond pin for winning the greatest number of premiums.—"Horticulture," November 14.

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FROM "THE REPUBLICAN."

### "The Floral King"

Most of us know that Rothschild is the king in money circles; that the Vanderbilts are railroad monarchs; that the Astors are property peers; that Wanamaker is the highest type of merchant; that Depew is the greatest wit and orator in this land. Every niche allotted to fame of one kind or another has some special person fitted to adorn it. There can be but one leader in every trade, profession or vocation. And so it is that W. A. Manda, of the Universal Nurseries, of South Orange, N. J., by his perfect scientific skill; by his patient, ceaseless study; by a faithful, enduring effort to keep always advancing his investigations, has become recognized as the "Floral King." Mr. Manda is undoubtedly the most progressive and successful propagator of plants, shrubs and floral treasures of any expert botanist of the times. He is like Edison, the wizard of the electrical world, constantly springing delightful surprises by the wonderful things he accomplishes in bringing new and novel effects from floriculture and botanical subjects. And the grandest result is that Mr. Manda's work has brought no end of fascinating and enduring specimens to the market as well as to the rich man's conservatories. Mr. Manda is the highest authority on the true culture of flowers, shrubs, vines, roses, etc., of the age. But it does not prove costly for anyone to learn all about the outcome of his rare and wonderful powers with transforming plant-life into novelties and new colors, forms and beauties in the floral world. He makes all these rare features so cheap that anyone who loves flowers can have in their yards some entirely new plant or shrub, or the old-fashioned ones so improved that they are scarcely recognized, or will be the admiration of the neighbors. It is only necessary to send to the Universal Nurseries, at South Orange, N. J., and a Catalogue describing all these lovely plants, flowers, vines or shrubs will be mailed, and then the finest array in the country can be selected from in either seeds, plants, bulbs, etc.



Specimen Polypodium Mandaianum, 11 Feet Across.

## Plants of Special Merit for Evergreen Landscape Effect

Following our suggestions on the former pages, we here submit a few plants of extraordinary merit, especially where evergreen effects are desired, not only for producing solid masses, but also as a substitute for grass, that is, low plants which flourish well under trying conditions where grass will not grow, forming an evergreen carpet supplemented in the spring and summer months with solid masses of flowers.

**PACHYSANDRA TERMINALIS**—Ten years' experimenting with this plant has convinced us that it is the finest evergreen ground-cover in existence. Thriving in the densest of shade, in any soil or situation, and quickly covering the ground with a uniform close growth. The lustrous bright green leaves are arranged in a whorl or rosette on stems four to six inches high. This plant stands the most rigorous winter and the quick changes of our climate without the slightest damage to its bright-green foliage, which retains its perfection and brilliancy all the year round, and not subject to injury from any insect. The finest substitute for lawns, covering shaded places where grass refuses to grow. Nice plants, 25c. each; \$2.50 per doz.; \$15.00 per 100.

**EUONYMUS RADICANS**—A trailing vine with ovate coriaceous green foliage, covering the ground, attaching itself to trees, stumps, rocks, walls, or any object within its range, and flourishing well in the full sun or dense shade. It can be used as an edging in place of Boxwood, and clipped in shape in the same manner. A neat and desirable plant for any of the purposes above named. Fine plants, 15c. each; \$1.50 per doz.; \$8.00 per 100.

**EUONYMUS RADICANS VARIEGATA**—Foliage beautifully variegated with white in the mature leaves, while the young growth has a beautiful yellow tinge. Otherwise the habit, uses and price same as the type.

**VERONICA RUPESTRIS**—Another dwarf evergreen plant thriving well in any situation, especially on banks, rocks and exposed places. This plant forms a bright blue carpet of flowers in May, while the remainder of the year the plant forms a perfect lawn. Strong plants, 15c. each; \$1.50 per dozen; \$8.00 per 100.

**SEDUM SPURIMUM SPLENDENS**—Creeping plants, with whorls of thick, roundish leaves, pale green turning to bronzy purple in the winter months, while in June the plant is covered with yellow flowers. Succeeds well in dry, exposed or rocky ground, where it makes a good ground cover. Price: 15c. each; \$1.50 per dozen; \$8.00 per 100.

**DIANTHUS PLUMARIUS PLENUS (Scotch Pink)**—Forming compact tufts of gray foliage during the entire year, while in May and June quantities of double pink or white flowers are produced that are very fragrant and useful for cutting purposes. A most useful plant for bordering beds in place of sod or masses in open, sunny situations. Price: 15c. each; \$1.50 per dozen; \$8.00 per 100.

**ACHILLEA TOMENTOSA**—A dwarf plant. Keeps its finely cut green foliage through the winter, while in early spring the large heads of yellow flowers, 6 inches high, make a solid mass, lasting a long time in perfection. Well suited for open and dry situations, for banks, rockworks or massing. Strong plants. Price: 15c. each; \$1.50 per dozen; \$8.00 per 100.

**AJUGA REPTANS**—Covering the ground closely with its ovate, bright green foliage, and thriving in dense shade, this plant can be recommended for massing in shady places where grass refuses to grow, thus making it a bright green spot all the year around, with a mass of light blue flowers in spring. Strong plants, 15c. each; \$1.50 per dozen; \$8.00 per 100.

**ARMERIA MARITIMA**—Compact tufts of evergreen foliage, with profusion of light pink flowers 6 inches high, and lasting long in perfection. This plant is very valuable for edging walks or paths. When massed will produce a strong effect. Valuable garden plant. Price: 15c. each; \$1.50 per dozen; \$8.00 per 100.

**ROSE EVERGREEN GEM**—One of the quickest growing plants for covering large spaces, as it makes a growth of from 5 to 15 feet in a season, covering the ground with its prostrate branches thickly set with bronze green foliage, supplemented with double fragrant flowers in June. Strong pot-grown plants, 35c. to 75c. each, according to size.



Specimen Blue Spruce (*Picea pungens glauca*)

## PLANTS OF SPECIAL MERIT FOR EVERGREEN LANDSCAPE EFFECT—Continued.

**VINCA MINOR**—A well-known dwarf plant, covering the ground closely with bright green foliage and blue flowers, thriving well in deep shade. Strong plants, 15c. each; \$1.50 per dozen; \$8.00 per 100.

**PHLOX SUBULATA (Moss Pink)**—Compact growing plant, forming masses of small, light green foliage and carpets of white or pink flowers. A good substitute for edging where sod is used, or for lawns, banks or other places where low, green plants are desired in place of grass. Strong plants, 15c. each; \$1.50 per dozen; \$8.00 per 100.

**THYMUS SERPHYLLUM (Alpine Thyme)**—A remarkably pretty plant, closely covering the ground with its small, green foliage, which turns a beautiful purple in the winter. Flowering in early summer, making a dense pink carpet with its flowers, 3 inches in height. Excellent plant for covering dry banks or where masses of low-growing evergreen plants are desired. Strong plants, 15c. each; \$1.50 per dozen; \$8.00 per 100.

## Deciduous Trees

This class embraces species growing 10 to over 100 feet in height, and furnishes ample material for street and avenue planting, as well as for parks and home grounds, where, with their large, spreading branches, they give restful shade in summer. The various shapes and hues of the foliage, together with the profusion of flowers produced by many varieties, give a characteristic and imposing effect to the grounds.

We have trees from 6 to 20 feet in height.

We will be pleased to furnish a collection of 6 foliage trees for \$5.00.

Collection of 6 flowering ornamental trees for \$5.00.

## Evergreen Foliage and Flowering Shrubs

A most desirable class of plants, with massive generally glossy foliage, which is evergreen through the winter, the foliage changing in many varieties to beautiful bronze purple and crimson hues, besides the fine and attractive flowers which are produced in spring and early summer, and on that account should be planted in every garden, including such varieties as the Rhododendrons, Azaleas, Boxwood, etc.

We will be pleased to select 6 strong plants in variety, our selection, for \$5.00; 12 strong plants, our selection, in variety, for \$10.00.

We will be pleased to furnish special list on application.

## Deciduous Flowering and Foliage Shrubs

This class is represented by a very large class of shrubs growing from 2 to 10 feet in height. Producing a wealth of beautiful flowers at the different seasons, or a mantle of bright-colored foliage, making an attractive mass from early spring to late fall. Indispensable for every garden, however small.

We have over 200 varieties of choice flowering shrubs and would be pleased to make you up a selection of the very best at \$1.50 for 6; \$3.00 per dozen; with proportionate prices for larger specimens.

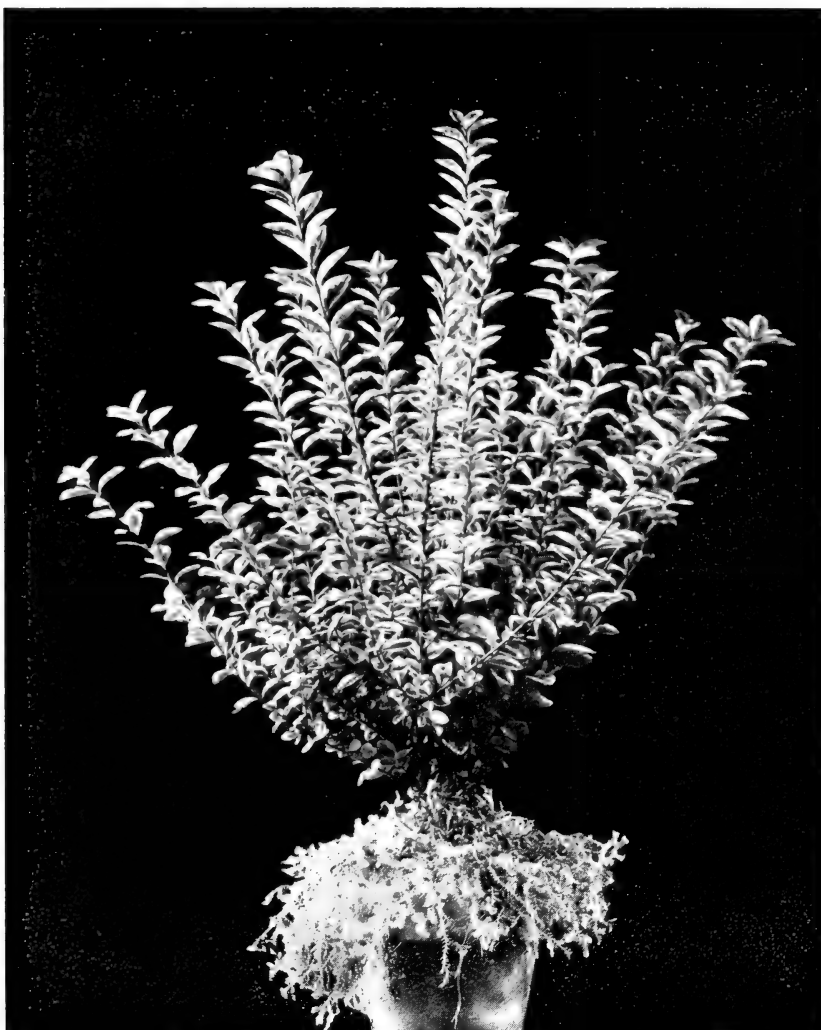
## Hardy Vines and Creepers

On account of the habit of this class of plants, they are indispensable for covering posts, trellises, trees, stumps, walls, rocks or banks; also for screens on piazzas. Besides the luxuriant foliage, they all have showy flowers, which add to their desirability for above purposes.

If you will tell us the purpose you wish to use these plants, we will be pleased to make you a selection of the best varieties for the purpose.

Strong plants, \$1.75 for 6; \$3.50 per dozen.

## Manda's Golden Privet



**Manda's Golden Privet**

Almost an evergreen. This shrub is of such sterling merit that we must mention it here. The growth is free, bushy and compact. The closely set green leaves are heavily margined with golden yellow, covering the greater part of them. The color holds remarkably well during the season. It does not bleach or burn in the hot sun, and is the only yellow foliage shrub which holds its perfect coloring in the fall. We do not hesitate to say that this is the finest colored foliage shrub in cultivation. It is perfectly hardy and can be used for any purpose desired, such as an isolated specimen or planted in close proximity to Red Japan Maples; this plant offsets and gives additional color and value to both. It produces a unique effect when planted as a hedge and can be kept to any size, either high or low. Silver medal awarded by the Massachusetts Horticultural Society, and numerous certificates wherever exhibited.

Young plants, 2 in pot, 15c. each; \$1.50 per dozen; \$10.00 per 100; 1-year-old plants, 30c. each; \$3.00 per dozen; \$20.00 per 100; 2-year-old plants, 75c. each; \$7.50 per dozen; \$50.00 per 100; 3-year-old plants, \$1.00 each; \$10.00 per dozen; 4-year-old plants, specimens, \$1.50 each; \$15.00 per dozen.

## Hardy Herbaceous Plants

These are the old-time favorites found in every old-fashioned garden—plants that have been neglected for a number of years, but which of late are receiving again the proper recognition due them on account of their many good qualities.

In the first place, they are inexpensive plants, not only in their original cost, but considering that when once planted they grow and increase from year to year, while cost of maintenance is very slight.

With a good assortment of Hardy Perennials a continuous show of flowers can be kept from the early spring until the frost cuts down all vegetation. With a judicious selection of these plants, not only can flower beds and borders be made attractive, but when proper kinds are chosen the ponds and marshes can be turned into objects of admiration. Barren rocks and sand hills alike can be made beautiful, while, if planted in an informal, careless way, the pleasing effect of a wild garden is produced.

**CULTURE.**—The best time for planting Hardy Herbaceous Plants is from March to May, and from September to November. They require good, rich loam to grow them to perfection, while if the soil is perfectly drained, no protection is needed in the winter, with the exception of a slight cover to prevent the sudden thawing and freezing.

To save our customers trouble, we make a selection for any purpose that might be desired of the best kind suitable for the purpose wanted.

Price: 20c. each; \$2.00 per dozen; \$15.00 per 100.

To anyone interested, we will be pleased to send a special list of Hardy Herbaceous Plants.

## Conifers or Evergreen Resinous Trees

One of the greatest classes of vegetation for outdoor ornamentation. From the loftiest trees, three hundred or more feet in height, to low prostrate shrubs rising barely a foot above the ground. These we consider as the most useful and most ornamental of our hardy trees, and which should be in every garden, either small or large. They can be used as isolated specimens for groups, hedges, windbreaks or shelters.

We have a grand stock of nearly two hundred varieties, in all sizes, from one foot to twenty feet in height, and would be pleased to send a special list of sizes and prices to intending purchasers.

Wish to state that the quality of our stock speaks for itself, suffice to say that we have swept the deck of all the prizes at the International Horticultural Exhibition in Boston, having taken first prize in the collection of Evergreens; first and second prizes for six specimens; first and second prize for three collections; first and second prize for two collections, and first and second prize for specimens of evergreens.

We will make the following special offer:

6 fine plants in variety of tall or low-growing Evergreens for \$5.00.

12 fine plants in variety, of either tall or low-growing Evergreens, for \$10.00, which will include the beautiful Colorado Blue Spruce.

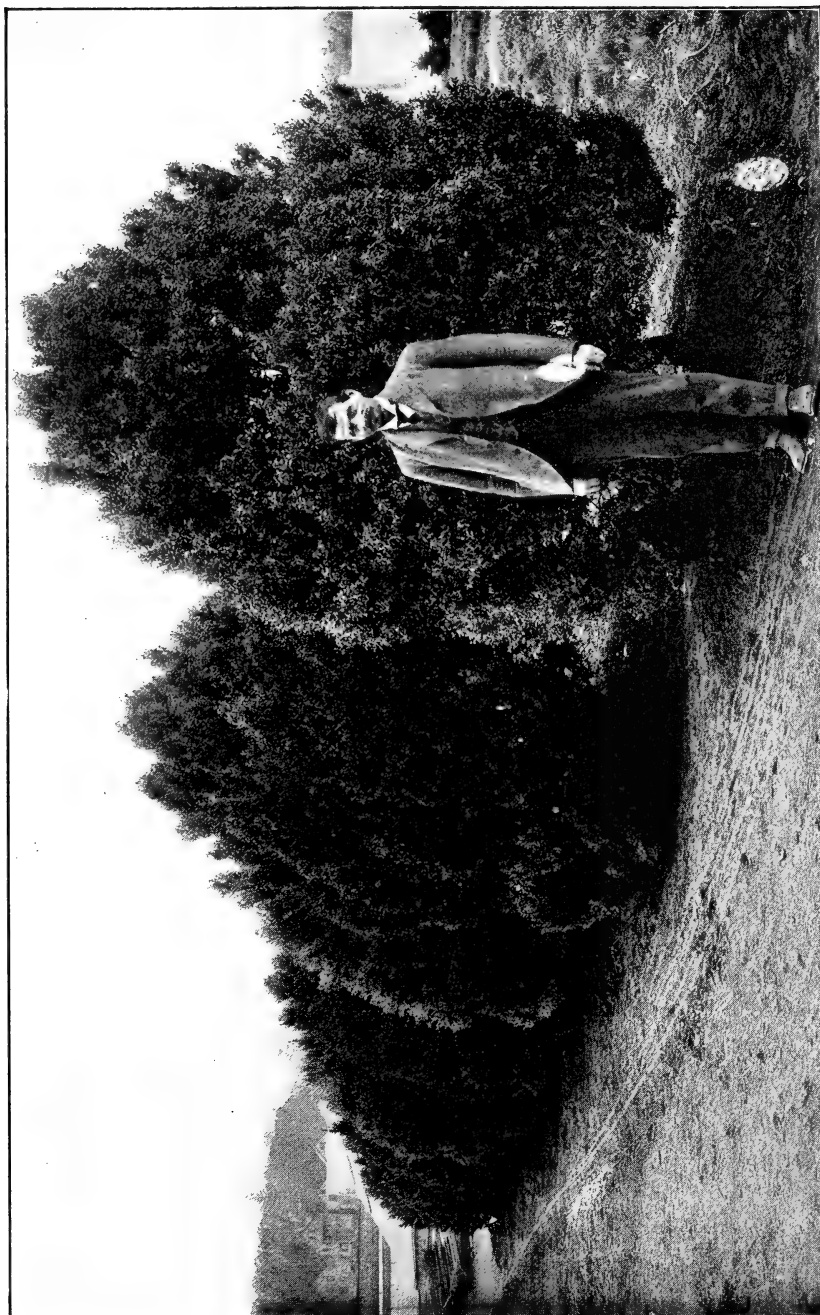
## Water and Bog Plants

Never were aquatics appreciated more than they are at the present time. During the past season this branch of floriculture has formed the center of attraction in the public gardens and at public exhibitions throughout the country.

	Price
Our selection of best Water Lilies, 6 in 6 varieties.....	\$5.00
Our selection of best Water Lilies, 12 in 12 varieties.....	10.00
6 Bog Plants, our selection .....	1.50
12 Bog Plants, our selection .....	1.25
12 Bog Plants, our selection .....	2.50

## Bulbs for Spring Planting

There is no class of plants with which there can be made such a display (for so small an outlay) as with bulbs; while they hardly require any care to grow them to perfection.



Some Specimen Boxwoods at South Orange

**BEGONIA, TUBEROUS-ROOTED**—Fine flowering plants for greenhouse or conservatory, also doing well when planted outside in a sheltered position. The flowers are single and double and of innumerable shades of color. Price: 10c. each; \$1.00 per dozen; \$6.00 per 100.

**CANNAS**—They are considered as the best tall-bedding plants, either for solid beds, borders, isolated specimens or subtropical effects. Price of any of the varieties: 15c. each; \$1.25 per dozen; \$8.00 per 100, dormant roots. Grown pot plants, \$15.00 per 100.

**DAHLIAS**—We carry in stock all the best up-to-date varieties of the old-time favorites now again popular. Fine varieties, show cactus or pompons, our selection, 25c. each; \$2.50 per dozen; \$15.00 per 100.

**GLADIOLUS**—Indispensable for planting in shrubberies or rose beds, as they are a mass of bloom long after the above have passed, thus livening up what would be a dull aspect. If you are interested in these, send for our special list of bulbs for spring planting. Fine flowering bulbs, our selection, 45c. per dozen; \$3.50 per 100.

**LILIES**—These are the noblest of all the bulbous plants; graceful and imposing in habit, with showy, large, sweet-scented flowers of pure and chaste colors. They are invaluable in borders among shrubbery or planted between Rhododendrons or Hardy Azaleas. Our selection, strong bulbs, 25c. each; \$2.00 per dozen; \$15.00 per 100.

Specimens of uncommon size and beauty, many unique plants of Conifers, Boxwood, Rhododendrons or other Hardy Plants, as well as Specimens of Palms, Orchids, Ferns, Foliage or Flowering Plants in stock. Inspection invited, correspondence solicited.

## Boxwood

One of the most beautiful of evergreen foliage plants which can be used in various ways to decorate the grounds or as a specimen in pots or tubs. We have the largest stock of Boxwood in the country. Plants of all sizes, from three inches in height to large specimens centuries old, ten to fifteen feet high and as much in diameter. We have them in all shapes, pyramids, bush form, globular forms, standards, and some odd-looking specimens, beside thousands of dwarf Boxwood for edging flower beds and formal gardens. We have acres of Boxwood for you to select from and give prices on the following small sizes, and will be pleased to quote on the large specimens or quantity of ordinary sizes.

	Price Each
Dwarf Boxwood, for edging. 3 to 5 inches high .....	\$ .05
Tree Boxwood, for larger edgings. 1 foot high .....	.35
Tree Boxwood, for larger edgings. 1½ feet high .....	.60
Bush form, natural-shaped plants. 2½ feet high .....	2.00
Bush form, natural-shaped plants. 3 feet high .....	3.00
Bush form, natural-shaped plants. 4 feet high .....	6.00
Bush form, natural-shaped plants. 5 feet high .....	9.00
Pyramids, well-formed plants. 2½ feet high .....	1.75
Pyramids, well-formed plants. 3 feet high .....	3.00
Pyramids, well-formed plants. 4 feet high .....	6.00
Pyramids, well-formed plants. 5 feet high .....	9.00
Pyramids, well-formed plants. 6 feet high .....	12.00
Standards, fine specimen. 1 foot across head .....	1.50
Standards, fine specimen. 1½ feet across head .....	2.50
Standards, fine specimen. 2 feet across head .....	4.50
Standards, fine specimen. 3 feet across head .....	9.00
Standards, fine specimen. 3½ feet across head .....	12.00

Larger sizes, also special large lots to plant an entire Boxwood or formal garden, prices on application. Plans and estimates furnished for laying out box gardens, etc. Come and see our Boxwood arranged in all the styles and covering several acres of ground at South Orange, and including all the different varieties in cultivation, suited to any purpose desired.

Boxwood is a very slow grower, and large specimens on grounds gives the place age and tone that cannot be duplicated by any other plant.



View of Our Evergreen Nursery, Valley Street, South Orange

# Landscape Gardening

This is a very important subject, and one that should not be neglected or overlooked, especially when building up a new place.

It means that, with a **good plan**, you can lay out your place to all the advantages it commands naturally, besides making the developing features where the location is disadvantageous. **The roads and walks** should be laid out, not only to be practical, but also to be in harmony with everything adjacent.

**The Landscape Architect** should be consulted regarding the proper site for the house, roads, etc., as they should be finished before the grading, thus avoiding unnecessary labor and cost.

As we combine both **theoretical and practical knowledge**, our patrons will find it greatly to their advantage to place the improvement of their grounds in our hands, as they will profit by our large experience in the economical and practical treatment of the work.

Next to the plants the most important thing is the **specifications**, that is, the selection of the kind of stock to be used for the ornamentation of same, and it is especially here where the value of a practical landscape gardener is felt. While a good many people without practical knowledge can draw acceptable plans, yet it is only the practical man that can make the selection of the stock, knowing its habit, its ultimate height and development, also the adaptability of the soil, climate, etc., as no two places can be treated alike.

If the residence is intended to be occupied during a certain season, then such plants as predominate at that season should be used. If, on the other hand, the house is an all-year residence, then the effect and plants that are used should be such as to give a continued attractiveness all through the season.

**We make a specialty and carry in stock** all plants for this kind of work, and being practical men, thoroughly acquainted with the habits, height, color, different growths and flowering periods of these plants, we are in a position to intelligently make plantings where an immediate effect is produced and the future not marred. .

There is nothing more unsightly than a mass of planting done haphazard, where, instead of a plant being placed in a position to help or harmonize with others, they are jammed together irrespective of their growth, color or height.

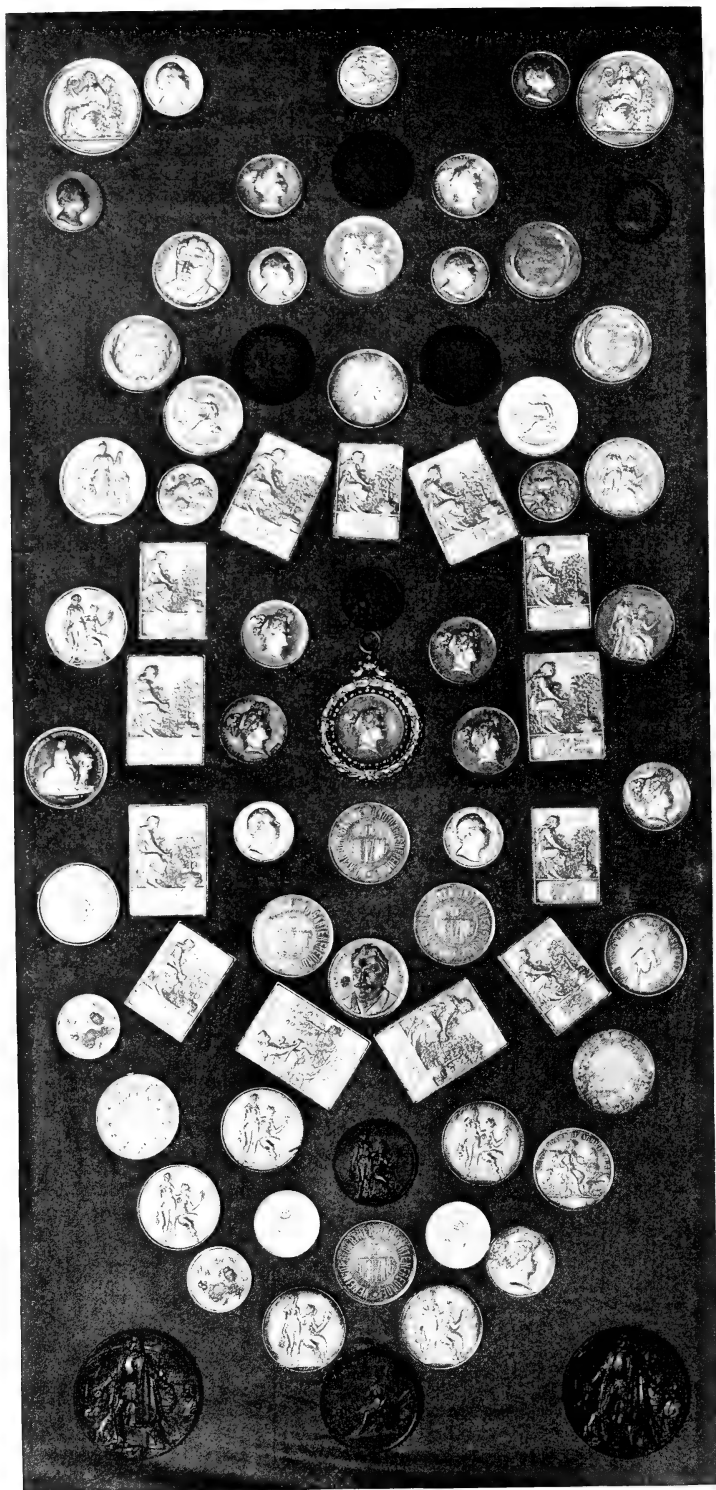
We would be pleased to hear from parties contemplating any improvements on their places, be they new or old, and will **furnish advice, submit plans and specifications** for same, carrying out and completing the work in a satisfactory manner, thus avoiding costly and irreparable mistakes that would be committed without proper advice.

**We recommend first-class Gardeners or Superintendents** to take charge of your grounds and **greenhouses**, practical and trustworthy men that we know personally; if in need of any, write us with particulars.

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Plans, estimate and specifications given for any extensive planting, either pleasure grounds, fruit gardens, vegetable gardens, rose gardens, hardy old-fashioned gardens, or formal gardens. Our experience and knowledge is at your service.

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**Few Medals Won in Many Countries**

## The First National Flower Show

Held at Chicago, November, 1908, gave the horticultural world a good opportunity to test their superiority of culture or extent of their collection. Well, we were there with the result that we carried away sixty-five premiums, mostly firsts, all the medals for new plants and also all the sweepstake prizes offered to the exhibitor taking the largest number of prizes, either as to number or value, and we had to ship our plants 1,000 miles in the middle of November to do it. See what the horticultural press says:

"The exhibits of W. A. Manda were the wonder of the show. His new fern *Polypodium Mandaianum*, not yet in commerce, won the gold medal, and as a climax to all his prizes takes the diamond pin for winning the greatest number of premiums.—"Horticulture," November 14.

"In palms, ferns and other large plants, W. A. Manda, South Orange, N. J., practically swept the board of all the principal prizes. Some of his larger specimens were immense, yet in perfect health, and they did yeoman service in rounding out the fine appearance of the hall as a whole. Notable were the giant *Kentias*. *K. Forsteriana* and *K. Belmoreana* especially. The plants were large, healthy specimens and bore no traces of having been brought one thousand miles or so. All of Mr. Manda's exhibits were, in fact, notable for their freshness. This noted exhibitor also had *Polypodium Mandaianum*, a new fern, in fine condition.

The following is the result of one exhibition, and shows the awards and premiums we won at the First National Flower Show, Chicago, November, 1908:

Grand Gold Medal—*Polypodium Mandaianum*.

Silver Gilt Medal—*Dracaena Mandaiana*.

Silver Cup—Best flowering plant.

Silver Medal—Water colors and plans.

Silver Medal—Best Collection Cut Orchids.

Silver Medal—*Kentia Mandaiana*.

Silver Medal—*Dracaena Black Beauty Improved*.

Silver Medal—*Polypodium Mandaianum*.

Bronze Medal—Manda's Golden Privet.

Bronze Medal—Collection Economic Plants.

Certificate of Merit—*Dracaena Mandaiana*.

Certificate of Merit—*Anthurium Cuttingianum*.

Certificate of Merit—*Yucca Menandii*.

First Prize—Best 1 Palm.

First Prize—Best 5 Palms, 5 varieties.

Third Prize—Best Group arranged for Effect.

First Prize—Best Collection of Palms.

First Prize—Best 1 Foliage Plant, never exhibited.

First Prize—Best 1 Foliage Plant, not yet in commerce.

First Prize—Best 1 *Cycas*.

First Prize—Best 5 *Crotons*, 5 narrow leaf.

First Prize—Best 5 *Crotons*, 5 broad leaf.

First Prize—Best 1 *Dracaena*.

First Prize—Best 1 English Holly.

Second Prize—Best 1 Conifer in Tub.

First Prize—Best 3 Conifers in Tub, 3 varieties.

First Prize—Best 1 *Rhododendron*.

First Prize—Best 1 *Azalea Amoena*.

First Prize—Best 1 *Aucuba*.

First Prize—Best 1 *Euonymus*.

First Prize—Best 1 *Ficus*.

First Prize—Best 1 *Aspidistra*.

First Prize—Best 1 any other succulent.

First Prize—Best 1 *Nepenthes*.

First Prize—Best 1 *Musa*.

First Prize—Best 5 Fancy *Caladiums*.

First Prize—Best Group Stove and Greenhouse Plants.

First Prize—Best 1 Fern.

First Prize—Best 6 *Cibotium Schledel*.

First Prize—Best 1 Tree Fern.

First Prize—Best 1 New Fern.

First Prize—Best Collection of Ferns.

Second Prize—Best 1 *Adiantum*.

Second Prize—Best 1 Stag Horn Fern.

First Prize—Best 1 *Cypripedium Insigne* in bloom.

First Prize—Best Collection of *Cypripediums*.

Second Prize—Best Collection other than *Cypripediums*.

Second Prize—Best 1 *Cypripedium* in bloom.

Third Prize—Best 1 *Cattleya Labiata* in bloom.

Third Prize—Best 1 *Cattleya*.

Third Prize—Best 1 *Oncidium Rogersii* in bloom.

Third Prize—Best 1 *Oncidium*.

Third Prize—Best 1 Orchid.

First Prize—Best Collection Cut Orchids.

First Prize—Best Collection Cut *Cypripediums*.

First Prize—Best 1 Plant *Anthurium* Flowering.

First Prize—Best 1 Hanging Basket Flowering Plants.

First Prize—Best 1 Hanging Basket Foliage Plants.

First Prize—Best 1 Plant in bloom.

Second Prize—Best 1 Grafted Specimen Plant.

Second Prize—Best 1 Plant *Gardenia*.

Second Prize—Best 1 Plant *Erica*.

Sweepstake for largest number of prizes for pot plants taken, value .....\$250.00

Sweepstake for greatest number of prizes taken ..... 25.00

Guarantor's Final Sweepstake for largest amount of prizes taken in all classes.... 250.00



**Seven Cups, Fifteen Medals and One Diploma of Honor**  
Won at the Great Royal International Exhibition, London, England, May, 1912

## List of Prizes Taken at the Second National Flower Show at Boston, Mass.

- Second Prize—Specimen *Acacia Paradoxa*.  
 Second Prize—6 *Anthuriums*.  
 Second Prize—1 *Anthurium*.  
 Third Prize—1 *Camellia*.  
 First Prize—12 Flowering Shrubs.  
 First Prize—6 *Rhododendrons*.  
 Second Prize—1 *Rhododendron*.  
 Third Prize—1 *Rhododendron*.  
 First Prize—1 Flowering Plant.  
 Second Prize—12 Orchids.  
 Second Prize—Specimen, *Cattleya Trianae*.  
 Third Prize—Specimen, *Cattleya Trianae*.  
 First Prize—*Cattleya Schroederæ*.  
 Second Prize—Specimen, *Cattleya*.  
 Second Prize—Collection of *Cypripedium*.  
 First Prize—Collection, *Cypripedium*.  
 Second Prize—6 *Cypripediums*.  
 Second Prize—Specimen, *Cypripedium*.  
 First Prize—12 *Dendrobiums*.  
 First Prize—*Dendrobium Wardianum*.  
 Second Prize—*Dendrobium*, any variety.  
 Second Prize—Specimen, *Odontoglossum*.  
 First Prize—Specimen, *Oncidium*.  
 First Prize—Specimen *Phalaenopsis*.  
 First Prize—Orchid in Flower.  
 Second Prize—*Adiantum Farleyense*.  
 First Prize—Specimen, *Aspidium*.  
 Third Prize—*Cibotium Schiedeii*.  
 Second Prize—Specimen *Davallia*.  
 Second Prize—Display, *Nephrolepis*.  
 First Prize—Specimen, *Polypodium*.  
 First Prize—6 Stag Horn Ferns.  
 First Prize—Specimen, Stag Horn Fern.  
 First Prize—Specimen, Tree Fern.  
 First Prize—Specimen, Fern.  
 First Prize—Fern, new variety.  
 Second Prize—Pair *Arecas*.  
 First Prize—1 *Areca*.  
 First Prize—*Cocos Australis*.  
 First Prize—*Cocos Plumosus*.  
 First Prize—Pair *Kentia Belmoreana*.  
 First Prize—Specimen, *Kentia Belmoreana*.  
 First Prize—Pair *Kentia Fosteriana*.  
 First Prize—*Kentia Fosteriana*.  
 First Prize—*Phoenix rupicola*.  
 First Prize—12 Palms.  
 First Prize—Specimen, Palm.  
 First Prize—Pair Pyramidal Box Trees.  
 First Prize—Pair Standard Box Trees.  
 First Prize—Pair Bush Box Trees.  
 Second Prize—Pair Bush Box Trees.  
 First Prize—Six *Araucarias*.  
 First Prize—Cycad.  
 Second Prize—Cycad.  
 First Prize—12 *Dracaenas*.  
 First Prize—*Dracaenas*, green.  
 First Prize—1 *Dracaena*, red.  
 Third Prize—1 *Dracaena*, green.  
 Second Prize—1 *Dracaena*, any color.  
 Third Prize—1 *Ficus elastica*.  
 First Prize—*Ficus Pandurata*.  
 First Prize—*Pandanus Veitchii*.  
 Third Prize—Specimen, *Pandanus*.  
 First Prize—6 Foliage Plants.  
 First Prize—Cacti and Succulent.  
 First Prize—1 Succulent Plant.  
 First Prize—Collection, Conifers.  
 First Prize—6 Conifers.  
 Second Prize—6 Conifers.  
 First Prize—3 Conifers.  
 Second Prize—3 Conifers.  
 First Prize—2 Conifers.  
 Second Prize—2 Conifers.  
 First Prize—1 Conifer.  
 Second Prize—1 Conifer.  
 First Prize—Display, Cut Orchids.  
 First Prize—Flowering Stem of *Cattleya*.  
 Second Prize—Flowering Stem of *Cattleya*.  
 First Prize—Flowering Stem of *Laelia*.  
 First Prize—Flowering Stem of *Laelio-Cattleya* or Hybrid *Cattleya*.  
 First Prize—Flower *Cypripedium*.  
 Second Prize—Flowering Spray *Oncidium*.  
 First Prize—Flowering Spray *Phalaenopsis*.  
 Second Prize—Flowering Spray *Vanda*.  
 First Prize—Spray, any Orchid.

Twenty-four Premiums won in open competition against the world at the Royal International Exhibition, London, England, May 22 to May 30, 1912:

- Bronze Medal—First Prize for *Cymbidium Mandaianum*.  
 First Class Order of Merit—First Prize for *Cattleya Mendellii*, South Orange variety.  
 Silver Medal—*Cattleya Gigas Mandaiana*.  
 Silver Medal—First Prize for *Polypodium Mandaianum*.  
 Bronze Medal—For 12 Plants Introduced since 1909.  
 Silver Cup—First Prize for 6 Stove or Greenhouse Plants.  
 Silver Medal—For 12 Stove or Greenhouse Plants.  
 Silver Medal—For 1 Specimen Stove Plant in Flower.  
 Silver Gilt Medal—For 12 *Dracaenas*.  
 Silver Gilt Medal—First Prize for Specimen *Croton*.  
 Silver Gilt Medal—First Prize for 2 Cycads.  
 Silver Cup—First Prize for 6 Palms.  
 Silver Gilt Medal—First Prize for 2 *Kentias*.  
 Silver Medal—For 12 *Laelio-Cattleya x Brassavola*.  
 Silver Cup—For 50 Orchids.  
 Silver Gilt Medal—For 1 Specimen Orchid.  
 Silver Cup—For 6 Specimen Orchids.  
 Silver Cup (large)—For Group of Ferns.  
 Silver Cup—For 12 Specimen Ferns.  
 Silver Medal—First Prize for 6 Ferns Introduced since 1905.  
 Silver Cup—First Prize for 25 Cacti.  
 Silver Gilt Medal—First Prize for Succulent Plants.  
 Silver Medal—Special for American Plants.  
 Diploma of Honor for General Exhibit.

## Special Seasonable Offers

THE following special offers consist of strictly first-class stock and must not be confused with cheap stock offered at cheap prices by other firms, as we have at all times a surplus stock of the leading and best varieties.

We are willing to give our patrons an opportunity to procure these at special prices, provided the selection is left to us, which will insure our patrons receiving nothing but the best varieties.

### Hardy Stock

#### MANDA'S GOLDEN PRIVET FOR HEDGING PURPOSES.

One-Year-Old Plants.

12 for.....	\$2.50	50 for.....	\$ 7.50
25 for.....	4.00	100 for.....	14.00

#### BERBERIS THUNBERGII FOR HEDGES; GRAND STOCK.

2 Feet High.

12 for.....	\$3.50	50 for.....	\$12.00
25 for.....	6.50	100 for.....	22.00

#### CALIFORNIA PRIVET FOR HEDGES.

2 Feet High.

12 for.....	\$1.00	50 for.....	\$ 3.00
25 for.....	1.75	100 for.....	5.00

#### HEMLOCK FOR HEDGES.

2 Feet High.

12 for.....	\$9.00	50 for.....	\$28.00
25 for.....	15.00	100 for.....	50.00

### Rhododendron Maximum

In carload lots at.....\$115.00 to \$175.00 per car

### Kalmia Latifolia

In carload lots at.....\$125.00 to \$175.00 per car

### Choice Evergreens

10 plants in 10 distinct varieties for.....\$ 8.00

### Hardy Herbaceous Plants

12 for.....	\$1.75	50 for.....	\$ 6.00
25 for.....	3.25	100 for.....	11.00

### Fruit Trees in Variety

12 Fruit Trees in 12 varieties for.....	\$ 3.00
25 Fruit Bushes in 5 varieties for.....	1.50

### Flowering Shrubbery

12 Beautiful Flowering Shrubs in 12 varieties for.....	\$ 2.75
12 Beautiful Foliage Shrubs in 12 varieties for.....	3.00

### Hardy Vines

12 Plants in 12 varieties for.....	\$ 3.00
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### Evergreen Flowering Shrubs

10 Distinct varieties, one of each for.....	\$ 8.00
6 Choice trees in 6 varieties for.....	4.50

## Special Collection of Popular Plants

12 Hardy Pompon Chrysanthemums in 12 varieties.....	\$ 1.25
25 Hardy Pompon Chrysanthemums in 12 varieties.....	2.00
10 Hardy Everblooming Roses in 10 varieties.....	3.50
10 Climbing Roses in 10 varieties.....	3.50
25 Carnations in 5 finest varieties.....	2.00
25 Large Flowering Chrysanthemums in 25 varieties.....	2.25
12 Large packets of Flower Seeds in 12 varieties.....	.35
Manda's Universal Lawn Grass Seed, per pound.....	.35
Manda's Universal Lawn Grass Seed, per bushel (14 pounds).....	4.50
25 Cannas in fine variety, dormant roots.....	2.00
25 Tuberose Begonia, all colors.....	1.75
50 Gladioli in finest mixture.....	1.75
25 Dahlias in finest variety.....	3.75
12 Iris in 12 varieties for.....	1.25

### Boxwood

In tubs, 2 feet high.....	\$ 1.50
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#### BOXWOOD.

All sizes up to 12 feet high.

Prices on application.

Collection of 10 Hardy Cacti in 10 varieties for.....	\$ 5.00
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**I**F you are contemplating any improvements on your grounds, please correspond with us and we will give you plans, specifications and estimate for any features you wish to carry out, either the general layout of the Grounds, Flower Gardens, Rose Gardens, Hardy Herbaceous Gardens, Old-fashioned Gardens, Wild Gardens, Rock Gardens, Fruit and Vegetable Gardens. In fact, for anything pertaining to **Horticulture**, consult with us.

The quality of our plants is unexcelled, as you will see by the number of successes attained in the world's competition.

## Special Offer of House, Conservatory and Greenhouse Plants

5 Palms in 5 varieties for.....	\$ 4.00
10 Ferns in 10 varieties for.....	2.00

### Foliage Plants

10 Plants in 10 varieties.....	\$ 3.00
5 Dracaenas in 5 varieties for.....	3.00
5 Cacti and Succulent plants in 5 varieties for.....	2.00

### Orchids

5 Plants in 5 varieties.....	\$ 4.00
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### Cypripediums

5 Plants in 5 varieties.....	\$ 4.00
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### Flowering Plants

10 Plants in 10 varieties for.....	\$ 4.00
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### Climbing Plants

5 Plants in 5 varieties.....	2.00
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**E**STIMATES given for furnishing Conservatories, Palm Houses, and Greenhouses of every description, either with flowering or foliage plants of the best quality.

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**B**ESIDES this book, we have the following either ready or in course of publication and will be pleased to mail to anyone applying.

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Catalogue of Hardy Perennials  
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Catalogue of Greenhouse Plants  
Catalogue of Bulbs  
Catalogue of Seeds

List of Collection Palms and Cycads  
List of Specimen Palms and Cycads  
List of Cyripediums  
List of Rare Orchids  
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